

# PACIFIC HORNBILL



## AKER PSV 09 CD

### Vessel Characteristics

Length, Overall:	289 ft	88.1 m
Beam:	62.3 ft	19 m
Depth:	26.3 ft	8 m
Maximum Draft:	21.7 ft	6.6 m
Light Draft:	10.2 ft	3.1 m
Freeboard:	4.6 ft	1.4 m
Displacement:	7,380 lt	7,500 mt
Deadweight:	4,550 lt	4,630 mt
Clear Deck Space:	177 x 53 ft	54 x 16 m
Clear Deck Area:	9,370 ft <sup>2</sup>	870 m <sup>2</sup>
Deck Strength FWD:	1,020 lb/ft <sup>2</sup>	5 t/m <sup>2</sup>
Deck Strength AFT:	2,050 lb/ft <sup>2</sup>	10 t/m <sup>2</sup>
Class Notations:	DNV: +1A1, Fire fighter(I), Supply vessel, Clean(Design), COMF(V-3), DK(+), DYNPOS(AUTR), E0, HL(2.8), LFL(*), NAUT(OSV(A)), SF, SPS	

### Capacities

Deck Cargo:	1,570 lt	1,600 t
Fuel Oil:	241,000 gal	910 m <sup>3</sup>
Potable Water:	35,500 gal	130 m <sup>3</sup>
Fresh Water:	103,000 gal	390 m <sup>3</sup>
Drill/Ballast Water:	690,000 gal	2,610 m <sup>3</sup>
Bulk Tanks (6 tanks):	11,400 ft <sup>3</sup>	320 m <sup>3</sup>
Liquid Mud (2.8 SG*):	5,330 bbl	850 m <sup>3</sup>
*Max Structural Specific Gravity		
Methanol:	1,050 bbl	170 m <sup>3</sup>
Base Oil:	880 bbl	140 m <sup>3</sup>
Oil Dispersant:	2,800 gal	10.6 m <sup>3</sup>
Fire Fighting Foam:	480 gal	1.8 m <sup>3</sup>

## TIDEWATER

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Pg.2 Further Specifications

Pg.4 Capacity Table

Pg.3 General Arrangement

Pg.5 DP Capability Plot

**NOTICE:** The data contained herein is provided for convenience of reference to allow users to determine the suitability of the Company's equipment. The data may vary from the current condition of equipment which can only be determined by physical inspection. Company has exercised due diligence to insure that the data contained herein is reasonably accurate. However, Company does not warrant the accuracy or completeness of the data. In no event shall Company be liable for any damages whatsoever arising out of the use or inability to use the data contained herein.

LAST UPDATE: 11/30/2023

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## Further specifications



### Machinery

Diesel Electric Vessel			
Propulsive/Total HP:	5,900 / 8,930		
Z-Drives:	Yes		
Propellers (2):	RRM CONTAZ 15 2200KW		
Primary Generators (4):	1,600 kw	690 v	60 hz
Driven by:	WARTSILA 9L20		
Emergency Generators (1):	370 kw	440 v	60 hz
Driven by:	SCANIA DI 16 55 M		
Bow Thruster (2):	1XRR 2200 TT FP, 1XRR TCNSO73FP DD		
Driven by:	880KW ELECTRIC MOTORS		
Total Thrust:	29.5 st	26.8 mt	

### Deck Equipment

Anchors (2):	3780 KG
Anchor Chain:	280 m of 48 mm chain per side
Windlass:	2 x ODIM Electric Driven
Crane (1):	1 t @ 10 m
Aux. Crane (1):	5 t @ 10 m
Capstans (2):	10 t ODIM
Tugger (2):	10 t RRM

### Accommodations

No. of Berths:	60
Cabins:	10x1-man, 21x2-man & 2x4-man
Certified to Carry:	60
Galley seating:	32
Hospital:	Yes

### Registration

Flag: TAIWAN	Home Port: TAICHUNG
Hull Number: 10007	IMO N <sup>o</sup> : 9579119
Year Built: 2012	Call Sign: BQ3084
Builder:	Universal Shipbuilding Corporation
Tonnage (ITC):	4059 GT 1627 NT

### Performance\*

Fuel Consumption Vs Speed		
Maximum:	21 m³/day (230 gph) @ 13 knots	
Cruising:	18 m³/day (200 gph) @ 12 knots	
Economical:	13 m³/day (140 gph) @ 10 knots	
Standby:	2.1 m³/day (23.1 gph) @ 0 knots	
Transfer Rates		
Fuel Oil:	660 gpm @ 300 ft	150 m³/h @ 90 m
Fresh Water:	660 gpm @ 300 ft	150 m³/h @ 90 m
Drill/Ballast Water:	1,100 gpm @ 300 ft	250 m³/h @ 90 m
Bulk:	31.6 cfm @ 190 ft	53.6 m³/h @ 57 m
Liquid Mud:	440 gpm @ 300 ft	100 m³/h @ 90 m
Base Oil:	330 gpm @ 300 ft	75 m³/h @ 90 m
Brine:	440 gpm @ 300 ft	100 m³/h @ 90 m

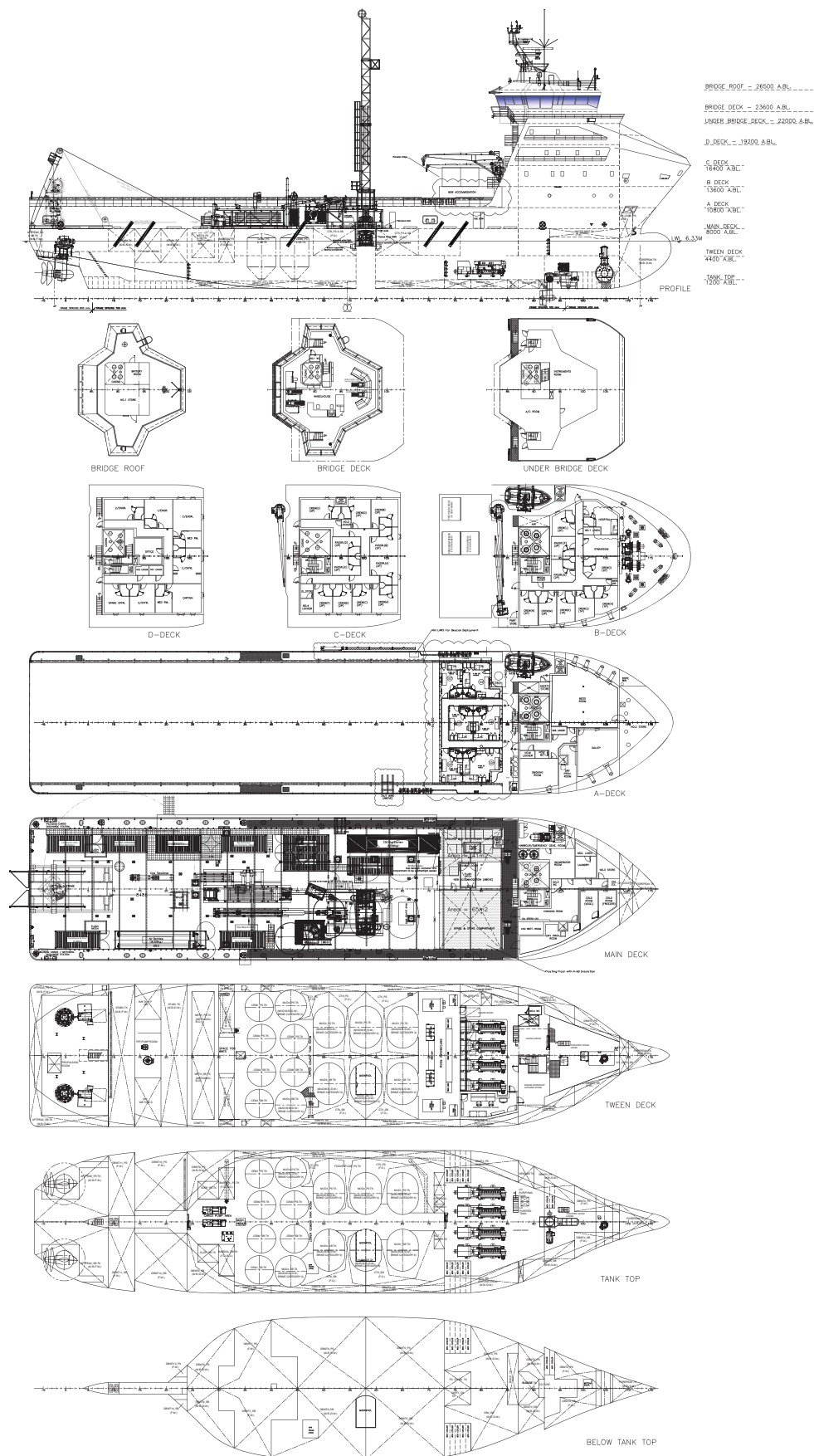
### Nav/Comms Equipment

Radar(s):	2
Depth Sounder:	1
Cyro Compass:	3
Wind Speed Indicators:	2
Doppler Log:	1
Radio:	2 x VHF; 1 x SSB
Sat Com:	1 X INMARSAT C

### Special Equipment

Firefighting:	FiFi-1
Dynamic Positioning:	DP-2
Ref. Systems:	3 x MRU; 3 x DGPS 1 x Microwave-based; 1 x Hydroacoustic
Mud Mixers:	Yes
Tank Cleaning:	Yes
Rescue Boat:	Norsafe Merlin 615 FRB, 13 Persons
SPS Compliant:	Yes
Misc:	MSD; TAUT WIRE (SMT); Moonpool: 2.6m x 2.6m; SPS Deadweight: 4298.2 MT

\*Approximate values assuming Ideal Conditions





Tank	Contents	Volume m <sup>3</sup>	Base Oil	Fuel Oil	Dry Bulk	DW/WB	Potable Water	Fresh Water	Brine	Liquid Mud	Methanol	Lube Oil	Foam	Oil Disp.
FOREPEAK TK	DW/WB	101.5				101.5								
DW/WB DBW T3 SB	DW/WB	92.5				92.5								
DW/WB DBW T3 PS	DW/WB	83.8				83.8								
DW/WB W T4 SB	DW/WB	83.3				83.3								
DW/WB DBW T4 PS	DW/WB	136.5				136.5								
DW/WB DB T4 SB	DW/WB	53.2				53.2								
DW/WB DBW T5 SB	DW/WB	194.6				194.6								
DW/WB DBW T5 PS	DW/WB	194.6				194.6								
DW/WB DBW T6 SB	DW/WB	197.8				197.8								
DW/WB DBW T6 PS	DW/WB	204.3				204.3								
DW/WB DBW T9 SB	DW/WB	83.0				83.0								
DW/WB DBW T9 PS	DW/WB	83.0				83.0								
CD METH	DW/WB	186.8				186.8								
STAB TK 1	DW/WB	291.8				291.8								
DW/WB WB T10 SB	DW/WB	96.3				96.3								
DW/WB WB T10 PS	DW/WB	96.3				96.3								
STAB TK 3	DW/WB	197.3				197.3								
AFT PEAK TK SB	DW/WB	122.1				122.1								
AFT PEAK TK PS	DW/WB	113.5				113.5								
FW DB/WT 2 SB	SHIP'S FW	68.1					68.1							
FW DB/WT 2 PS	SHIP'S FW	66.2					66.2							
FW DB/WT 7 SB	FW	72.2						72.2						
FW DB/WT 7 PS	FW	71.8						71.8						
FW DB/WT 10 SB	FW	70.4						70.4						
FW DB/WT 10 PS	FW	70.4						70.4						
FW DB/WT 11 SB	FW	53.1						53.1						
FW DB/WT 11 PS	FW	53.1						53.1						
BASE OIL SB	FO/BO	69.6	69.6	69.6										
BASE OIL PS	FO/BO	69.6	69.6	69.6										
FO CT 5 SB	FO	231.8		231.8										
FO CT 5 PS	FO	218.0		218.0										
FO CT 6 SB	FO	174.0		174.0										
FO CT 6 PS	FO	88.2		88.2										
FO CT 7 PS	FO	61.4		61.4										
FO OVERFLOW	FO	47.4		47.4										
FO SERVE TK	FO	18.8		18.8										
FO SERVE TK 2	FO	13.3		13.3										
FO DRAIN	FO	9.2		9.2										
FO SETTLING	FO	8.6		8.6										
FO EMERG TK	FO	4.0		4.0										
LM TK 1 SB	LM/BR/WB	132.1				132.1				132.1				
LM TK 1 PS	LM/BR/WB	132.1				132.1				132.1				
LM TK 2 SB	LM/BR/WB	0.0												
LM TK 2 PS	LM/BR/WB	132.1				132.1				132.1				
LM TK 3 SB	LM/BR/WB	132.0				132.0				132.0				
LM TK 3 PS	LM/BR/WB	132.0				132.0				132.0				
LM TK 4 SB	LM/BR/WB	93.6				93.6				93.6				
LM TK 4 PS	LM/BR/WB	93.6				93.6				93.6				
METH TK SB	METH	83.7									83.7			
METH TK PS	METH	83.7									83.7			
CEM TANK 1 SB	DRY BULK	53.6			53.6									
CEM TANK 1 PS	DRY BULK	53.6			53.6									
CEM TANK 2 SB	DRY BULK	53.6			53.6									
CEM TANK 2 PS	DRY BULK	53.6			53.6									
CEM TANK 3 SB	DRY BULK	53.6			53.6									
CEM TANK 3 PS	DRY BULK	53.6			53.6									
LUBE OIL	LO	13.2										13.2		
LUBE OIL 2	LO	5.0										5.0		
DISPERSANT	DISP.	10.8												10.8
FOAM TK	FOAM	1.8											1.8	
Total Volume [m <sup>3</sup> ]			139.2	1,013.9	321.6	3,459.7	134.3	391.0	0.0	847.5	167.4	18.2	1.8	10.8
Spec Sheet Total Volume [m <sup>3</sup> ]			139.2	912.6	321.6	2,612.2	134.3	391.0	0.0	847.5	167.4	18.2	1.8	10.8

\*Capacities shown are for lead vessel. Actual capacities may vary slightly.

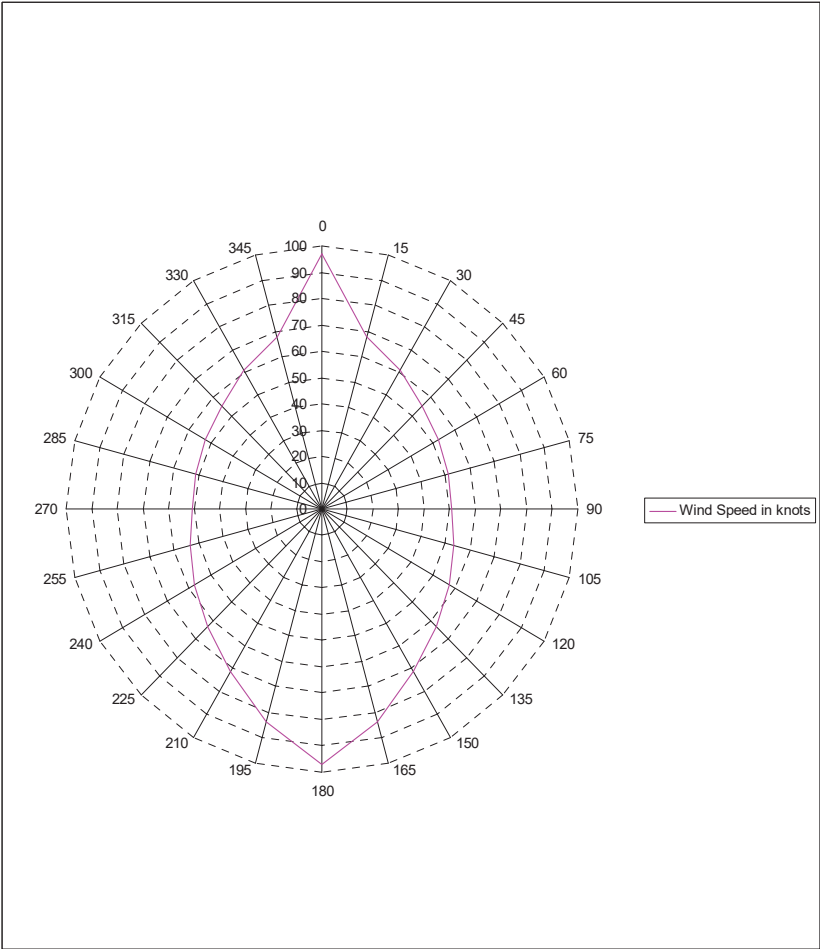
\*Capacities shown in **RED** are excluded from the total volume.

\*Capacities shown in **BLUE** are included in another Tank's Capacity.

\*Capacities shown in **GREEN** are counted for multiple Tank Capacities.



Capability Plot for CG00994 HULL 10005to10008



Wind Angle is stepped from 0 to 360 deg.  
Wave Angle is stepped from 0 to 360 deg.  
Current Angle is stepped from 0 to 360 deg.

Wind Speed is Set Automatically.  
Wave Height is Derived from Wind Speed.  
Current Speed is 1.46 knots.

